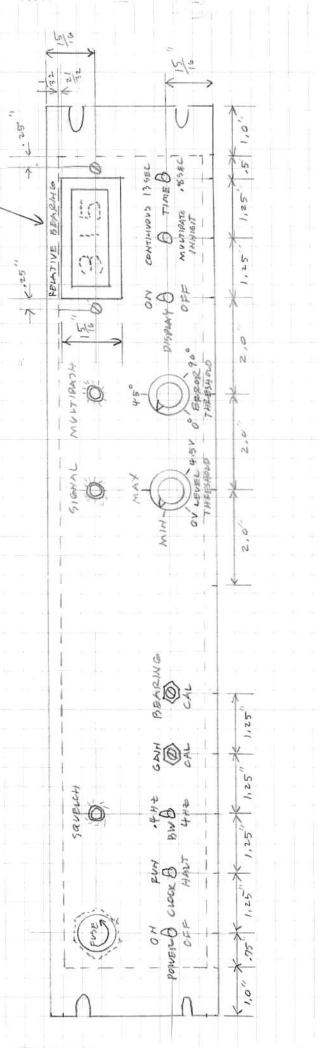
DIPECTION EINDER

WILLIAM E. DUMKE WB5TCO

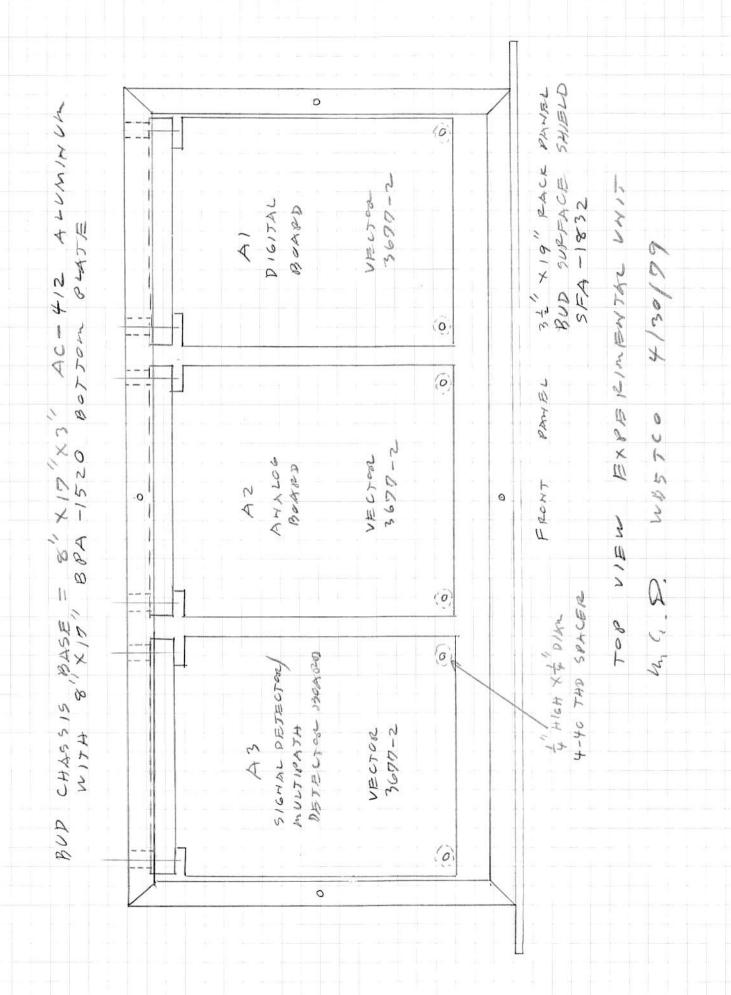
> WILLIAM E. DUMKE 509 FIFTEENTH AVE. GREEN BAY, WI 54303

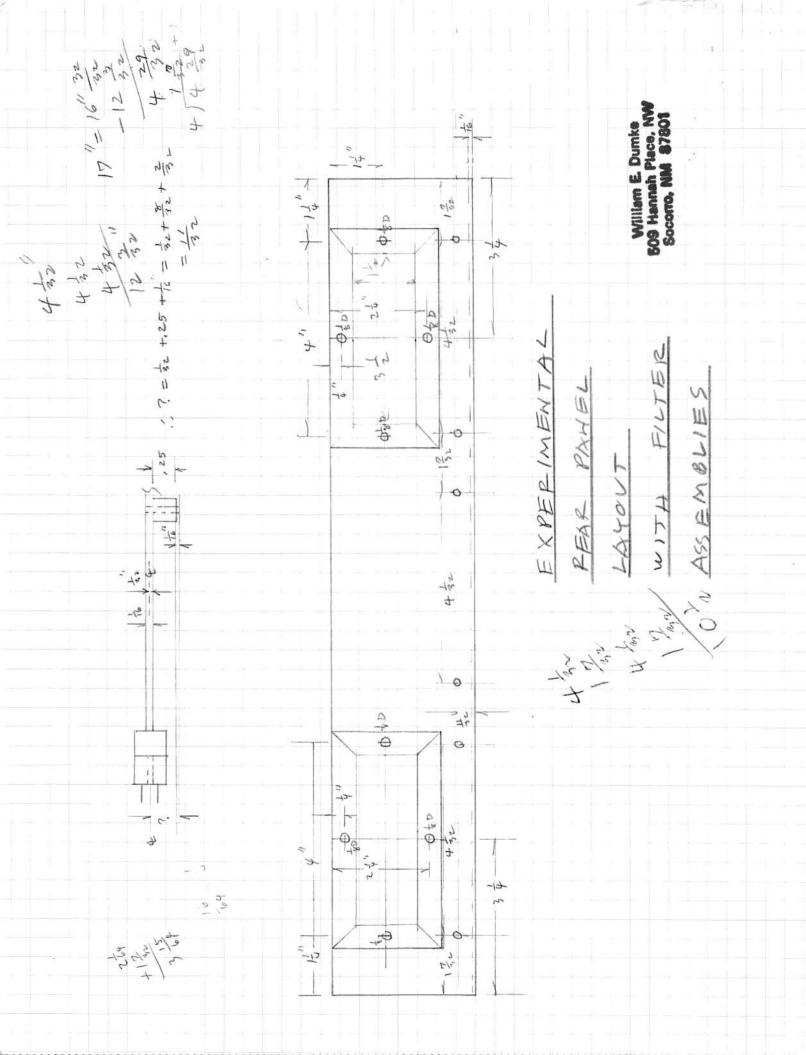


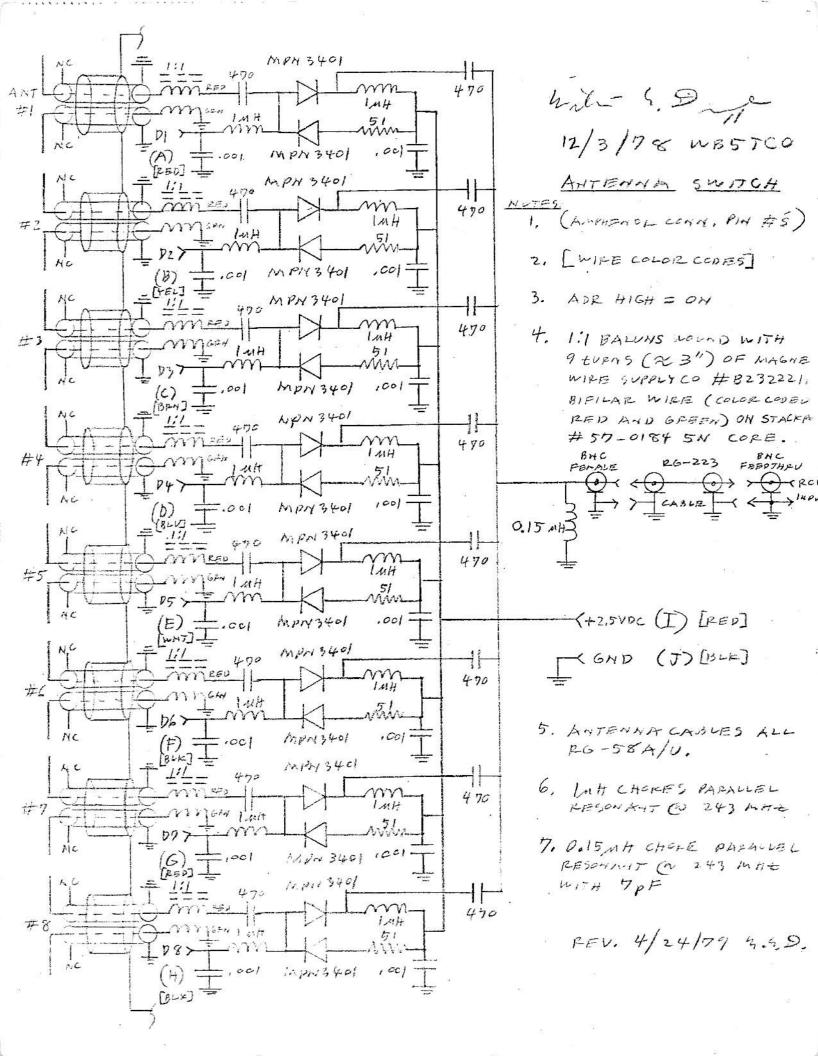
CALFICTED J4-908 UPD BREEF + FILTER

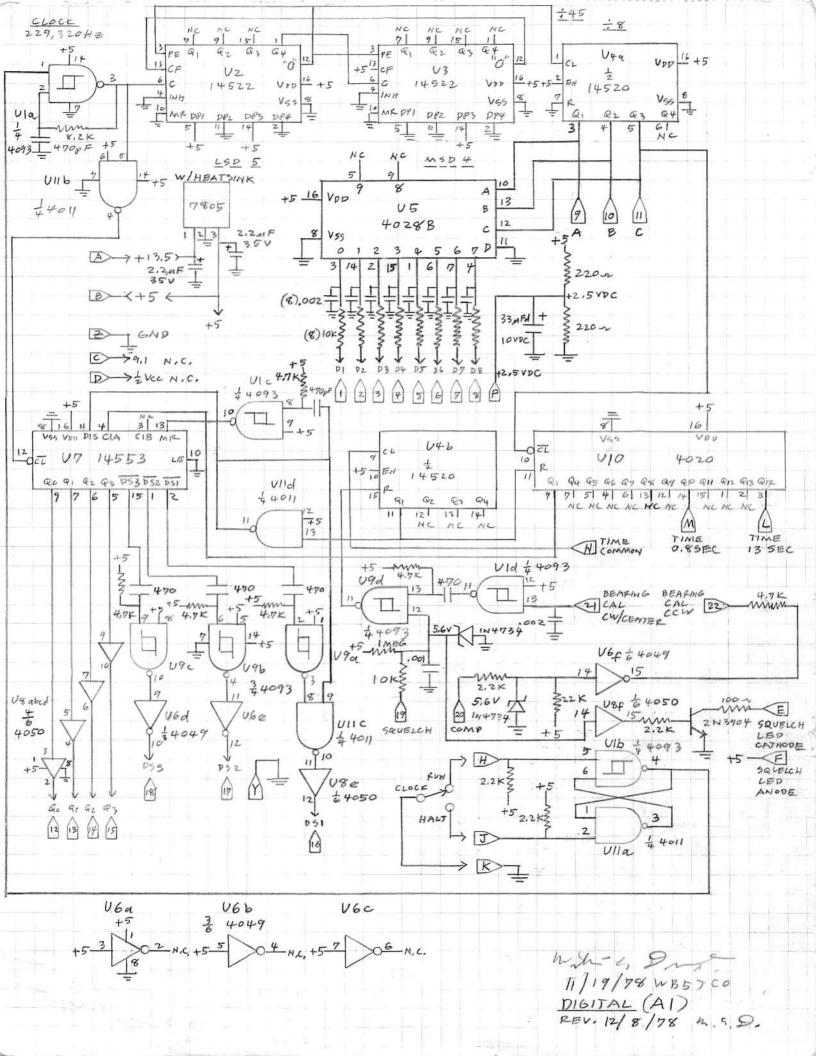
アススかり FRONT DIRECTION FINDER DOPPLEIL EXPERIMENTAL

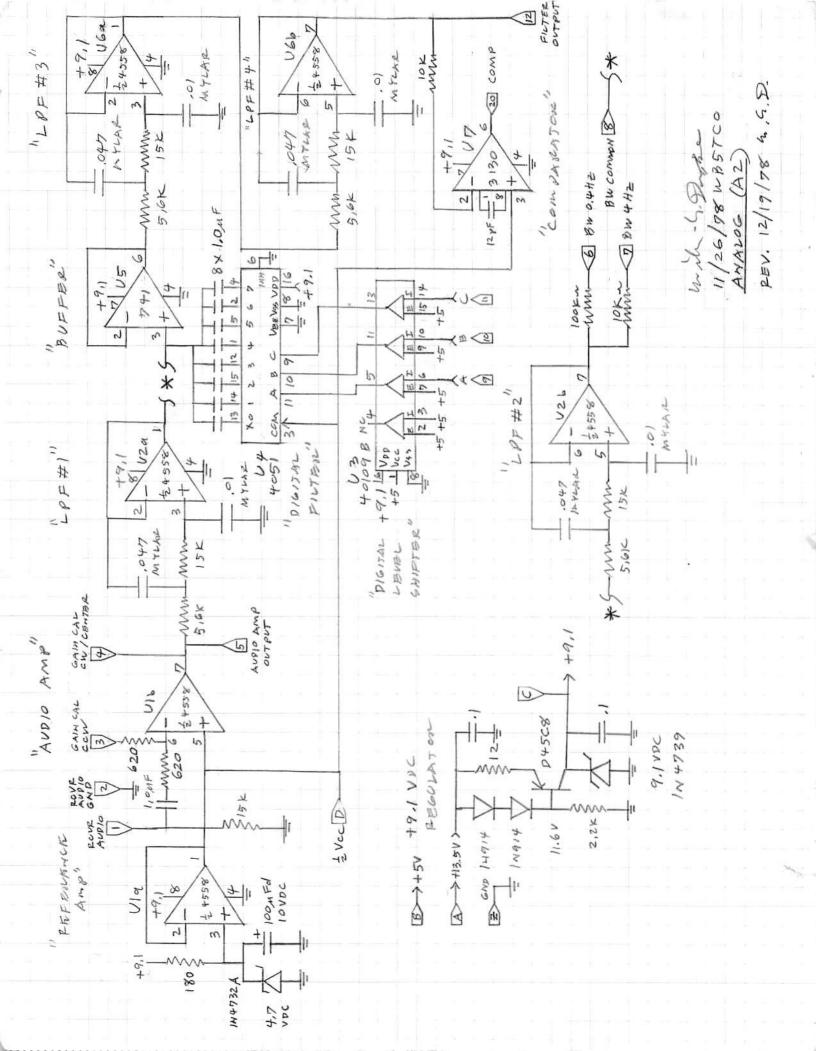
4/30/08/4 WBS TCO

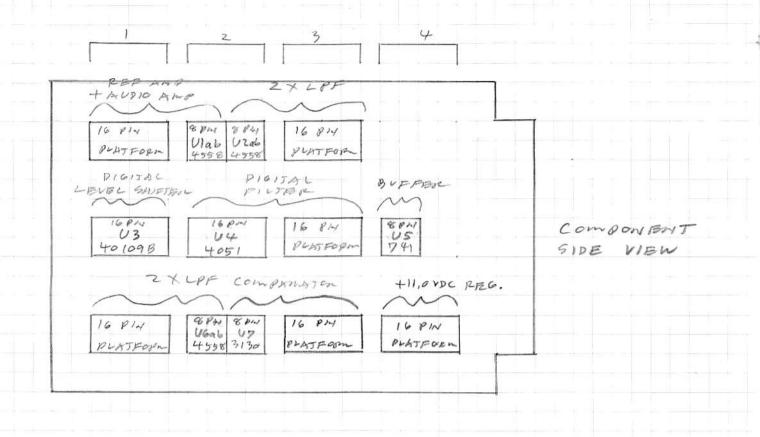




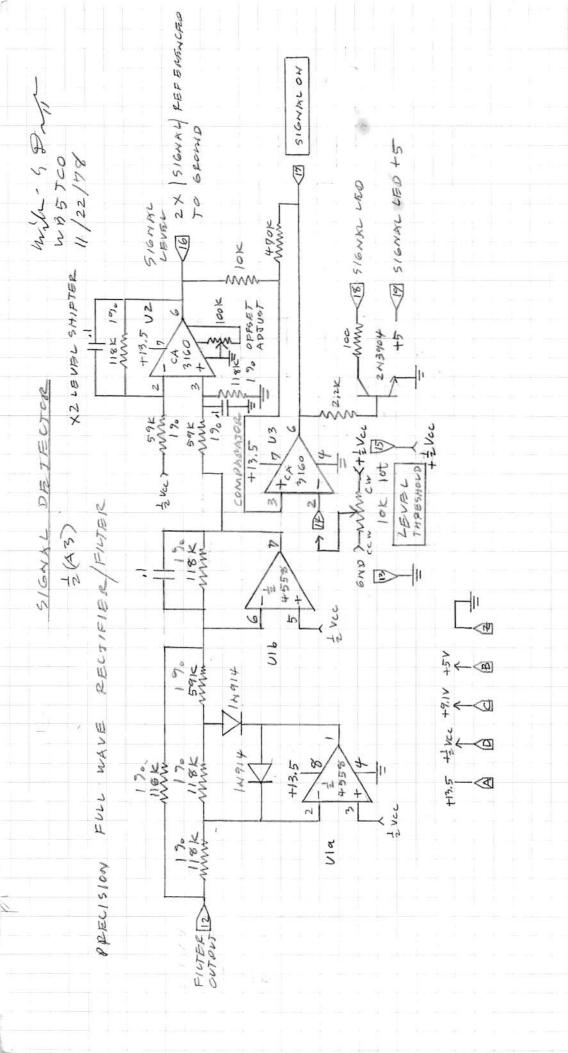


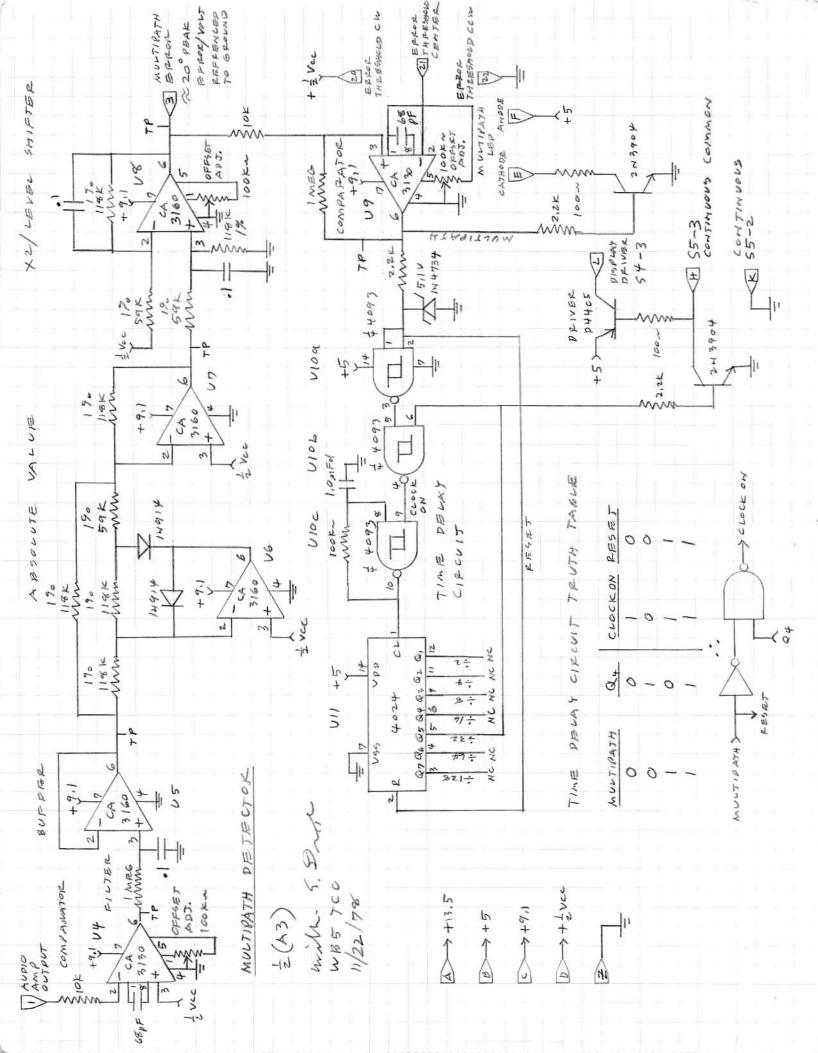


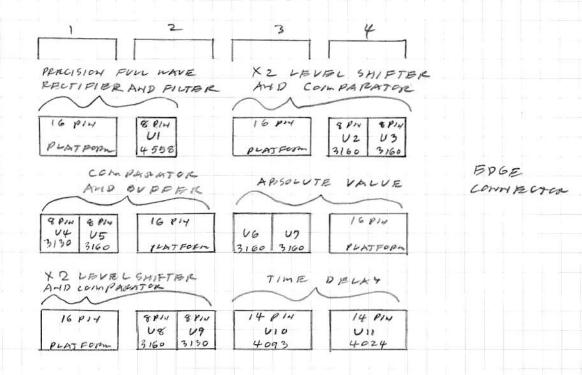




11/19/98 WB5TCO ANALOG BOARD LAYOUT PRV, 5/2/79 4.9. D,

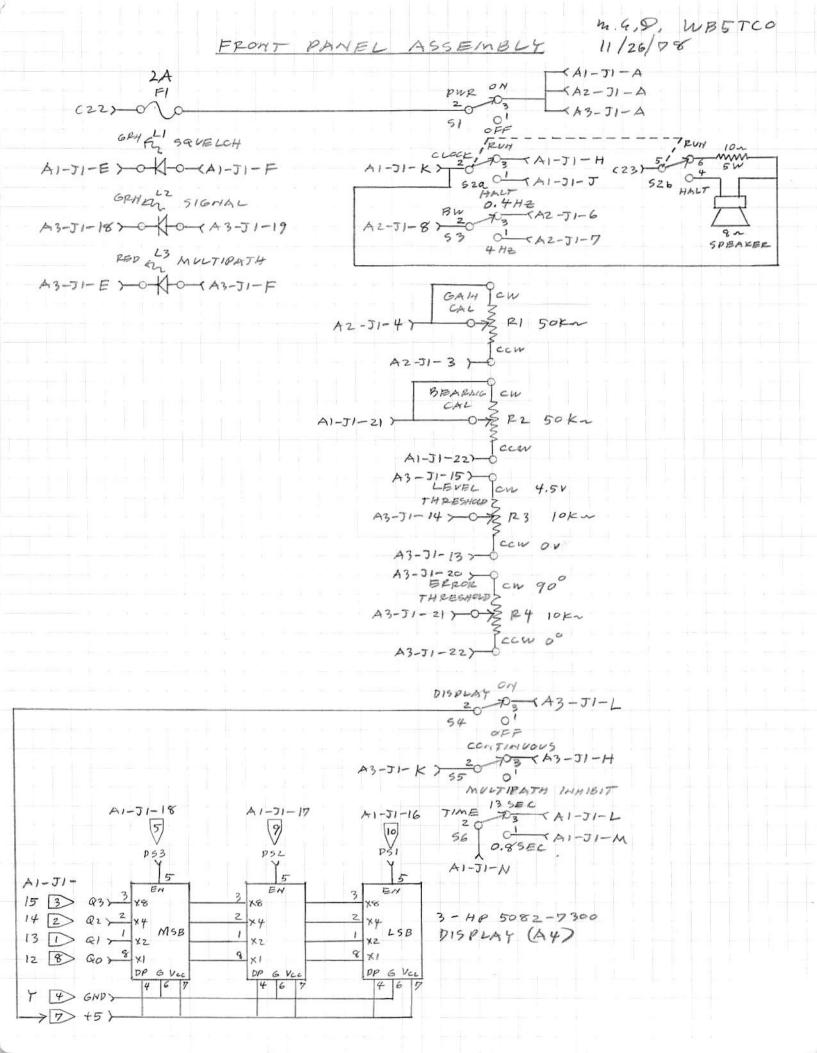


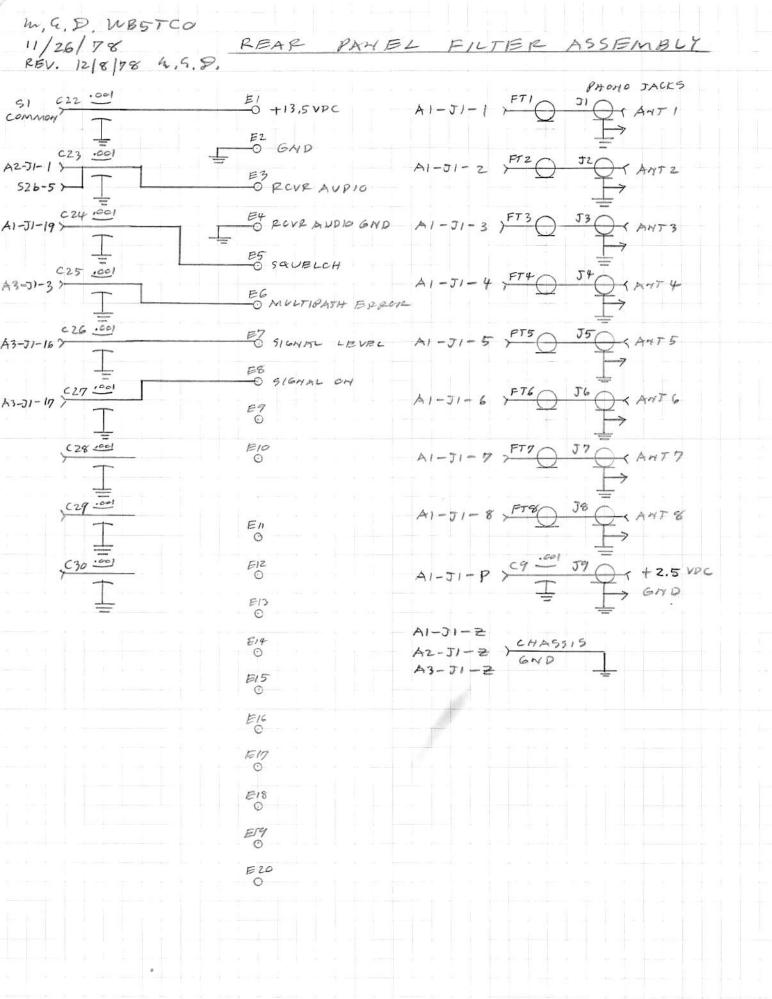




SIGNAL DETECTOR/MULTIPATH PETECTOR BOARD LAYOUT

mil. 5. De NB5TCO 11/18/178





COLOR CODE STANDARDS

M. G. D. W65TCO

III/II/98

REV. 12/3/78 M. S.D.

BLACK GROUND

PED +13.8VDC, +9.1VDC, \(\frac{1}{2}\text{VCC}\) (AMALOG SUPPLIES)

TELLOW +5V (DIGITAL SUPPLIES)

GREEN DIGITAL (5 VOD SMMG)

BLUE ANTENNA DIGITAL

WHITE ANALOG

4.4.D. NB57CO 11/11/98 PEV. 12/8/78 4.5.D.

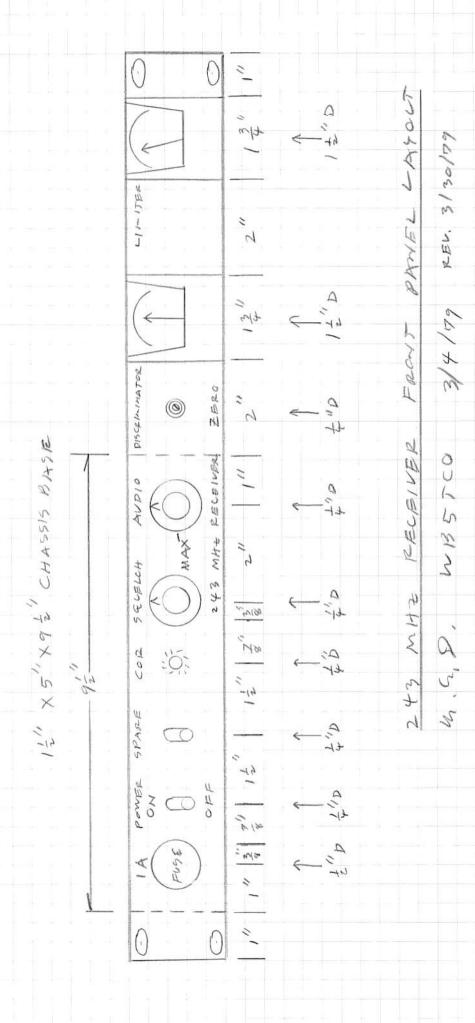
AS	SEMBLY AI DI	GITAL
PIH	NAME	SOURCE
	D1	CI
2	D2	CZ
3	P3	C 3
4	P4	C4
5	D5	C5
.6	D6	C6
7	D7	C7 .
8	DB	CH
9	· A	A2-71-9
10	В	A2 -J1-10
11	C	A2-J1-11
1/2	Q ₀	A4-P1-8
13	٠ ٩١	A4-P1-1
14	92	A4-P1-2
/5	Q3	A4-P1-3
16	D51	A4-P1-10
17	D52	A4-P1-9
18	p53	A4-P1-5
19.	SEVELCH MOUT	C24
		A2-71-20
	BEARING CAL CW/CENTE	RZ-CW/CENTER
22	BEARNIG CKL CCW	P2 - ccw
A	+13,5 14807	51-3
В	+5 OUTPUT	A2-J1-B, A3-J1-B
L.C	+911 14845	AZ-JI-C
D	≥ VCC 14PVJ	A2-J1-D
	: SQUELCH LED	LI-CATHODE
F	LED +5	LI-ANODE
·H	CLOCK PW	92-3
J	CLOCK HALT	52-1
K	CLOCK COMMON	52-2
1	TIME 13 SEC	56-3
M	TIME 0.8 SEC	56-1
N N	TIME COMMON	56-2
. p	ANT +2.5 VDC	<u> C9</u>
R	N,C,	A2-J1-R
5	H,C,	A2-J1-S
T	N,C.	A2-71-T
V		
V		
W		
X		
4	DISPLAY GAD	A4-P1-4
13	GROUND	CHASSIS GND

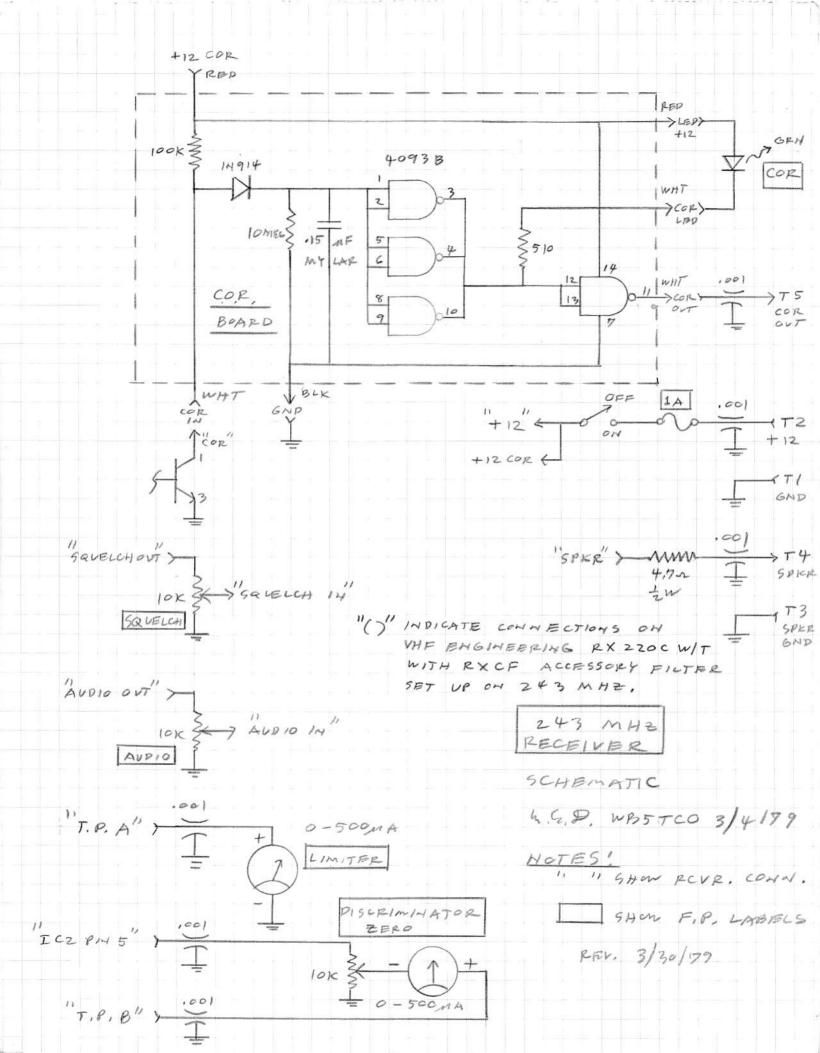
m, G.D. NB57CO 11/10/78 PEV. 12/8/78

-	SEMBLY AZ	ANALOG
PIH	MAME	SOURCE
	PCVE AUDIO IMPUT	C 2 3
2	POVE AUDIO GND	N,C,
3_	GAIN CAL CON	PI - ccw
4	GAM CAL CW/CENTER	RI-CW/CENTER
5	AVDIO AMP OVERT	A3-J1-1
6	Bu 0,4 HZ	53-3
7	Bn 4 Hz	53-1
8	BW Commony	53-2
9	A	A1-J1-9
10	B	A1-J1-10
11	C	A1-51-11
/2	FILTER OUTOUT	A3-J1-12
13		
14		
15		
16		
17		
/£		
19		
20	companyon outout	A1-J1-20
21		
22		
A	+13,5 INPUT	51-3
В		A1-J1-B
C	+9,1 OUTBUT	A1-J1-C, A3-J1-C
D	EVCC ONT PUT	A1-J1-D, A3-J1-D
E		
F		
H		
J		
K		
<u></u>		
M		Entered to the control of the contro
W		
P		
R	N.C,	A1-J1-R
5	N,C,	A1 - J1-5
T	N.C.	AI-JI-T
V		
V		
W		
X		
4		
1 7	GROUND	CHASSIS GND

As	SEMBLY A3 51	GNAL DETECTOR MULTIPATH DETECTOR
PIH	NAME	SOURCE
	AUDIO AMP OUTOUT	A2-J1-5
2.		
_3	MULTIPATH ERROR	C25
4	•	
5		
6	The state of the s	Objective and a second
7	1	
8		19
9		
10		
11		
12	FILTER OUTBUT	A2-J1-12
	LEVEL THRESHORD CCH	R3-ccn
	LAVEL THRESHOW CONTER	
		P3-CW
	The same of the sa	C26 C27
	SIGHAL ON	
	SIGNAL LED	LZ-CATHODE
	LED +5	L2-A40DE
	ERROR THRESHOLD CW	
	ERROR THRESHOLD CENTES	
21	ERROR THRESHOLD CCW	R4-CCW
A	+13,5 14825	51-3
B	+5 14005	A1-J1-B
C	+9,1 14005	AZ-71-C
D	2 VCC INDUT	A2-J1-D
E	MULTIPATH LED	L3-CATHODE
F	LED +5	L3-ANODE
H	CONTINUOUS	55-3
J		
K	CONTINUOUS (COIMMENT)	55-2
7	PISPUST DRIVER	54-3
M		
N	The state of the s	The state of the s
P		
R	1	
5	1	
F	1	
V		
V		
W		
}		
X		
4		
LZ	GROVAYD	CHASSIS GND

IH	NAME	SOURCE COLOR
i	QI	A1-J1-13 GEN
2	Q2	A1-J1-14 6PN
3	Q3 M5B	A1-J1-15 GPA
		A1-J1-Y BLK
4	GND	A1-J1-18 GF
5	D53	71-71-10
6		CH 6
7	+5	54-2
8	Qo LSB	A1-J1-12 GF
9	D5 2	A1-J/- 17 GR.
10	D51	A1-J1-16 681
11		
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POPOLER PROUTS						
QUAN,	DESCRIPTION	SOUNCE	1=ACH	TOTAL		
1	236 KHZ CRYSTAL					
2	VECTOR 3677-2 DP DIR OLVGBOHORD	E.8.	9.86			
l	GRILL CLOTH					
1	10 TERMINER BARRIER STRIP					
8	STACKPOLE 57-0184 SN BALVA CORES					
1	MC 7805CK					
4	, OCINFOL FERDTHRL CAPS					
1	148W PLATFORM + COVER CAY)					
1	CHERRY THUMBUHEEL SUITCH					
1 1	24 PH DIP GOCKET					
1	14 PIN DIR GOCKET					
1	DOPPLED PIN DIODE SWITCH (OFD ANT.)					
1	BIFILAN WIRE # B2322211 MACHETWIRE					
2	CP4093BE RCA					
1	CD 4011 AE NS					
1	SCL 4028BE 555					
2	SEL 4522 BE 555					
1	45208C F					
1	MC 14553CP					
	CD 4030AE NS					
1	CD 4049CN 45					
l	CD 40109 BR &CA					
1	CA 3130E					
1	CA 3160E					